

Adrian Delmarre

Data Science Engineer

WORK EXPERIENCE

June 2016 – Present

Qwant, Nice, France

Data Science Engineer

News Engine - Near-real-time multi-language news articles clustering, trend detection and topic matching. Named entities popularity detection.

Products - Complex heterogeneous content aggregation and entities matching.

Web Index - Web results automated quality evaluation, validation and pre-caching.
Duplicate/similar content detection.

Crawl/Index monitoring and graphic interpretation.
Misc - Recruiting 20+ engineers. Corporate representation during several public events.

Skills: Java 8, R, Clustering, Feature engineering, DataViz

October 2015 – May 2016

Amadeus, Sophia-Antipolis, France

Data Science Engineer

Customer Choice Modeling - Customer behaviour analysis, feature extraction and engineering, customer space clustering, in order to offer better travel options to visiting prospects.

Skills: Python, R, Clustering, MongoDB, Spark

February 2015 – September 2015

University of Passau, Germany

Data Science Engineer

Fraud Detection - The purpose of the project was to evaluate and improve current techniques for detection of payment fraud. This involved high-volume real-time imbalanced classification and pattern detection issues.

Skills: Imbalanced Classification, Optimization, R

May 2014 – September 2014

ANEO, Boulogne-Billancourt, France

Data Scientist

Social Network Analysis - Understanding how a group is organized, by analyzing communication meta-data, in order to provide business insights.

Skills: R, Social Network Analysis, Graph mining

June 2013 – September 2013

Systar, Lyon, France

Software Engineer

ACID - Provide durability to a custom NoSQL (column, key-value) bi-temporal DBMS, by ensuring that every transaction is replayed in case of a failure.

Skills: Concurrent Java, NoSQL, Scrum, OSGI

Nice (France)

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EDUCATION

2013–2015 **Math/CS Master Degree**

Passau University, Germany

2012–2015 **CS Engineer Degree**

INSA Lyon, France

2010–2012 **CS Technical Degree**

Valedictorian, Marseille, France

2008–2010 **Bachelor in Epistemology**

Aix-en-Provence, France

2006–2008 **Humanities CPGE**

Toulon, France

2006 **High School Diploma**

Mathematics, Summa Cum Laude

MAIN SIDE-PROJECTS

2014 **Autonomee**

With a few classmates, we've built a little robot-car using the power of Arduino, Raspberry Pi and a couple of motors associated with a bunch of sensors. On top of that, we've also built a desktop and a mobile clients able to control the car remotely (with the ability to automatically avoid obstacles), but also simulated a particle filter: an algorithm that makes it possible to determine the position and orientation of the car even though the sensors are noisy.

COMMUNICATION SKILLS

FRENCH, ENGLISH Fluent

SPANISH, GERMAN Oral: fair

COMPUTER SCIENCE SKILLS

CONFIDENT R, Java, Data Models, DataViz

FAIR SQL, Python, Git, UML,
Machine Learning,
ElasticSearch

BASIC/RUSTY Scala, C, C++, \LaTeX , C#